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	Application No.	Applicant(s)	
	10/605,102	MUKHERJEE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Stacy A. Whitmore	2825	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. A This communication is responsive to application filed 9/9/2	<u>003</u> .		·
2. ☑ The allowed claim(s) is/are <u>1-20</u> .			
3. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No		on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requ	ıirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawin he header according to 37 CFR 1.121(d	gs in the front (not the b	ack) of
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)			
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	5. Notice of Informal Pa		·152)
	6.	·	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 9/9/2003 	8), 7. Examiner's Amendm	ent/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	nt of Reasons for Allow	/ance

U.S. Patent and Trademark Office PTOL-37 (Rev. 7-05)

9. Other ____.

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Allowable Subject Matter

1. Claims 1-20 are allowed over the prior art of record.

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose either singularly or in combination the invention as claimed, including a method and computer program product comprising at least the combination of steps of:

providing a target design, wherein said target design has an target image shape divided into target segments and each of said target segments has an associated segment evaluation point;

dividing said mask shape into mask segments corresponding to each of said target segments; determining a simulated image corresponding to each of said associated segment simulated image is formed in accordance with evaluation points, wherein said mask shape for a lithographic process;

and for each of said segment evaluation points, determining a simulated image metric based on said simulated image at said segment evaluation point, and refining the mask segment corresponding to said segment evaluation point if said simulated image metric exceeds said deviation tolerance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stacy A. Whitmore whose telephone number is (571) 272-1685. The examiner can normally be reached on Monday-Thursday, alternate Friday 6:30am - 4:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stacy A Whitmore
Primary Examiner
Art Unit 2825

SAW

December 7, 2005